

Slurry Pump for Mineral Processing

This slurry pump is designed for mineral processing applications requiring high efficiency and resistance to wear and corrosion. Its heavy-duty construction and wear-resistant materials ensure extended service life in demanding environments.



Product Overview

High-Efficiency Slurry Pumping Technology

This advanced slurry pump utilizes a specialized impeller profile based on solid-liquid two-phase flow theory to maximize wear resistance and operational efficiency. Constructed from high-chromium alloy with variable wall thickness, the unit is engineered for long-term durability in demanding mineral processing environments. The proprietary self-circulation cooling system for the shaft seal eliminates the need for external water sources or traditional packing, effectively preventing leakage.

Performance Metrics

Flow Rate

5.3 m³/h

Minimum Flow

2900 m³/h

Maximum Flow

Pressure Head

7.5 m

Minimum Head

105 m

Maximum Head

Technical Features

Shaft Sealing Technology

- Combination mechanical seal and vice impeller
- Patent Self Circulation Cooling Assembled Shaft Seal
- No external water source required
- Packing-free design

Material Specifications

High Chromium Alloy, Variable Wall Thickness

Industrial Applications

Suitable Industries

Coal Preparation • Mineral Dressing • Steel Plants • Non-ferrous Metallurgy